

FOUR HUMAN ZINC-FINGER-CONTAINING GENES:

MDZ3, MDZ4, MDZ7 AND MDZ12

ABSTRACT

The invention provides isolated nucleic acids that
10 encode MDZ3, MDZ4, MDZ7 and MDZ12, and fragments thereof,
vectors for propagating and expressing MDZ3, MDZ4, MDZ7 and
MDZ12 nucleic acids, host cells comprising the nucleic acids
and vectors of the present invention, proteins, protein
15 fragments, and protein fusions of the novel MDZ3, MDZ4, MDZ7
and MDZ12 isoforms, and antibodies thereto. The invention
further provides transgenic cells and non-human organisms
comprising human MDZ3, MDZ4, MDZ7 and MDZ12 nucleic acids,
and transgenic cells and non-human organisms with targeted
20 disruption of the endogenous orthologue of the human MDZ3,
MDZ4, MDZ7 or MDZ12 gene. The invention further provides
pharmaceutical formulations of the nucleic acids, proteins,
and antibodies of the present invention, and diagnostic,
investigational, and therapeutic methods based on the MDZ3,
MDZ4, MDZ7 or MDZ12 nucleic acids, proteins, and antibodies
25 of the present invention.